



80 Watt High-Power Notebook Computer AC Power Adapter



Owner's Manual
Please read before using this equipment.

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WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

FCC STATEMENT

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

Consult your local RadioShack store if the problem still exists.

Your power adapter is ETL listed to UL standards and meets all applicable FCC standards.

Features

Your RadioShack 80 Watt High-Power Notebook Computer AC Power Adapter is designed to power popular brand notebook computers which require DC input from 12V to 24V, with AC power input ranging from 100V to 240V. It can also power other devices within this range by using the appropriate Adaptaplug™ adapter. The power adapter features overload and short circuit protection to protect it from damage.

The power adapter comes with an AC power cord, a zipper pouch for handy carrying, five standard Adaptapugs, and a custom plug to fit several different models of Compaq® laptop computers.

Important: To use this power adapter in countries other than the USA, use a foreign voltage plug adapter (not supplied) available at your local RadioShack store of the proper configuration for the power outlet.

Operation

ADJUSTING THE OUTPUT VOLTAGE

Cautions:

- Do not use the adapter to power a device that exceeds the 80W maximum power rating.
- Make sure the adapter is disconnected from the AC outlet and your computer before adjusting its voltage setting.

Caution: Make sure you set the power adapter to the proper voltage before you connect the power adapter to an input power source.

Follow these steps to adjust the output voltage.

1. Determine the required output voltage setting of the power adapter by one of the following four methods:
 - Refer to “Compatible Computers” on Page 13 for voltage, tip color, and polarity settings.
 - Note the voltage indication marked next to the input jack on the device to be powered. Example: *V_{in} = 18V DC* or *18V DC*.
 - Review the power or ID plate on the device to be powered. Look for the word “*INPUT*” followed by a number and *V DC*. Example: *INPUT: 18V DC*.

- Review the power or ID plate on the AC power adapter usually used to power the device. Look for the word “*OUTPUT*” followed by a number and *V DC*. Example: *OUTPUT: 18V DC*.

If the power adapter or computer indicates a voltage range, use the voltage closest to the mid-range. Example: *OUTPUT: 10–16V DC*; set the power supply to 13V DC.

Note: The specific notation “V DC” might not be indicated. Instead, the international symbol shown to the right might be used.



In rare cases when the voltage setting is between whole numbers, such as 15.5V DC, use the lower setting first (15V DC). If the device does not seem to operate properly, readjust it to the higher value (16V DC).

2. Use a flat-bladed screwdriver to rotate **VOLTS 12/13/14/15/16/17/18/19/20/21/22/23/24** to the desired output voltage.

SELECTING THE ADAPTAPLUG

The power adapter comes with five Adaptaplugs and a Compaq custom plug. The Adaptaplug colors and sizes are:

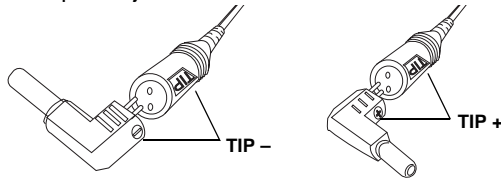
- Blue (M) — 5.5 × 2.1 mm
- White (N) — 5.5 × 2.5 mm
- Yellow (D) — 5.5 × 3.3 mm
- Green (Q) — 6.3 × 3 mm
- Yellow (T) — 6.6 × 4.3 mm

1. Refer to "Compatible Computers" on Page 13 or examine the output connector of your computer's AC adapter and compare it to the Adaptaplugs supplied with your power adapter.
2. Select the Adaptaplug that resembles the original plug and test it by temporarily inserting it into the device to be powered. It is important that the center contact or pin be the correct size to ensure proper electrical contact. If it is too small or large, additional Adaptaplugs are available from your RadioShack store.

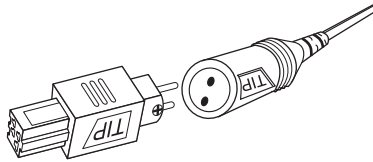
Some computer models require the special Compaq plug.

3. Connect the Adaptaplug to the output socket at the end of the power adapter's cord.

If the tip on the device's power jack is positive, align + (positive) marked on the Adaptaplug to **TIP** marked on the output socket. If the tip on the device's power jack is negative, align - (negative) to **TIP**. Then insert the Adaptaplug into the device's power jack.



If you use the special Compaq plug, align **TIP** on the Compaq plug with **TIP** marked on the output socket.



Note: If the polarity symbol is not displayed on the device to be powered, it might appear on an ID plate on the computer power supply or the original power adapter (see “Compatible Computers” on Page 13).

4. Insert the Adaptaplug into the device to be powered, then insert the supplied AC power cord into the AC jack on the adapter. Plug the other end of the AC power cord into a standard AC outlet. The green indicator lights.

Note: After making the connections described above, check the power adapter's cord. If it is hanging loosely or if it is positioned so that it could be damaged, wind the excess cord around the adapter — the large grooves on the top and bottom of the adapter help hold the cord in place. When the cord is the length you want, slide the cord clip down the cord until it is next to the part of the cord you wrapped around the adapter. Then, press the clip over one piece of the wound cord to hold the cord in place.

Caution: Save your data frequently! If you operate your notebook computer after removing its internal battery, an interruption in power might result in an immediate computer shutdown and possible data loss. Such a power interruption could be

caused by accidentally disconnecting either end of the power adapter.

Troubleshooting

Some notebook computers have power supplies in excess of the rating of this power adapter (80 watts). In most cases, this higher rating is used to both charge a completely discharged battery and power the computer at the same time. This power adapter can be used for such applications, but it is recommended that the computer's battery be recharged before using this adapter to operate the computer.

Caution: Except as noted for notebook computers (see "Compatible Computers" on Page 13), the power adapter's 80 watt rating must be equal to or greater than the requirement of the device to be powered.

You should remove your computer's battery only under the following conditions:

- The computer automatically shuts down while you try to power it with the AC adapter.
- The computer's rating label states that the computer requires greater than 80 watts and the computer's battery is completely discharged.

Note: If the computer's battery is fully charged, do not remove it.

Cautions:

- Always turn off the computer before you remove its battery.
- Be careful when removing your computer's battery because some laptop computers do not have batteries designed for frequent removal.

In the unlikely event of insufficient power, you may encounter slower battery charging time or automatic shutdown of the power adapter. In case of automatic shutdown, try one or more of these steps to reset the adapter:

- Completely recharge the battery before using the computer. Use the power adapter to charge the battery, but do not operate the computer during charging.
- If the battery is easily removable, remove it from the computer to eliminate the power requirement for recharging.

Note: The power adapter can be used to charge the battery in your notebook computer by connecting it to the computer with the battery installed, and leaving the computer turned off.

Caution: If the indicator turns off while the power adapter is in use, the output current is beyond the specification and the overload/short circuit protection activates. Disconnect the adapter from AC power, then unplug the adapter from the device. Reconnect the power adapter to the AC power. If the indicator still fails to light, take the adapter to your local RadioShack store for assistance. If the indicator is on, reconnect the adapter to your laptop. If the indicator turns off, your laptop is exceeding the 80W rating of the adapter (see "Troubleshooting" on Page 10).

CARE

Keep the power adapter dry; if it gets wet, wipe it dry immediately. Use and store the power adapter only in normal temperature environments. Handle the power adapter carefully; do not drop it. Keep the power adapter away from dust and dirt, and wipe it with a cloth occasionally to keep it looking new.

Modifying or tampering with the power adapter's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your power adapter is not performing as it should, take it to your local RadioShack store for assistance.

Compatible Computers

The 80 Watt High-Power Notebook Computer AC Power Adapter is compatible with all notebook computers listed in the following table. The table is not necessarily comprehensive, though, so your notebook computer could work with this adapter even though it is not listed. Verify it against your computer's original power supply, as manufacturing changes are sometimes made in mid-production. As long as the voltage and power requirements of your computer are satisfied by this Power Adapter, you can use it to power the computer. Many sizes of Adapta-plugs are available from your local RadioShack store if the size you need is not supplied with the adapter.

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Acer	1100LX	18	White	NEG
ALR	Venture 16	21	White	POS
ALR	Venture 386SX	21	White	POS
Altec Lansing	Multimedia CD-ROM	12	Blue	POS
AST	Advantage 486sx/25	21	Blue	NEG
AST	Advantage Explorer	21	Blue	NEG
AST	Advantage Notebooks	21	Blue	NEG
AST	Ascentia 800	19	White	POS
AST	Ascentia 800N	19	White	POS
AST	Ascentia 810N	19	White	POS
AST	Ascentia 950N	18	Blue	POS
AST	Ascentia P Series	19	White	POS
AST	Bravo Notebooks	14	Green	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
AST	BravoL/CDX2-66	21	Blue	NEG
AST	Explorer Notebooks	14	Green	POS
Atari	Stacy	17	Blue	NEG
CAF	386SX	18	White	POS
Canon	200LS	19	Blue	POS
Canon	BJ-30	13	Green	POS
Canon	BJC-70	13	Green	POS
Canon	Innova NoteJet 486	20	Green	POS
Canon	InnovaBook 1000	20	Green	POS
Canon	InnovaBook 350CD	20	White	POS
Canon	InnovaBook 350P	20	White	POS
Canon	InnovaBook 475	20	White	POS
Coax	Coax 386SX	21	White	POS
Coax	SmartBook V-Star	19	Blue	POS
Coax	Ultrathin 386SX/20	19	White	POS
Compaq	5300	18	Blue	POS
Compaq	Armada M300	18.5	Yellow	POS
Compaq	Concerto 4/25	18	Green	POS
Compaq	Concerto 4/33	18	Green	POS
Compaq	Contura 3/20	18	Green	POS
Compaq	Contura 3/25	18	Green	POS
Compaq	Contura 3/25C	18	Green	POS
Compaq	Contura 4/25	18	Green	POS
Compaq	Contura 4/25C	18	Green	POS
Compaq	Contura 4/25CX	18	Green	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Compaq	Contura 430C	17	Blue	POS
Compaq	Contura Aero	18	Blue	POS
Compaq	Presario 305	18.5	Yellow	POS
Compaq	Presario 1900	24	Special	N/A
Compaq	Presario — All But 305 & 1900	18	White	POS
CompuAdd	Companion	15	Green	POS
CTX International	EasyBook	18	White	POS
Data Point	4808J	19	White	POS
DEC	PC425SE	21	Blue	NEG
Decision Mate	486SLC	19	White	POS
Decision Mate	Decision Mate SX	19	White	POS
Dell	325SLI	12	Blue	POS
Dell	Latitude 425	14	Green	POS
Dell	Latitude 433	14	Green	POS
Dell	Latitude 433C	14	Green	POS
Dell	NL320SLI	12	Blue	POS
EPS	EPS Notebook	20	White	POS
Epson	ActionNote 4000	15	White	POS
Epson	ActionNote 700	15	White	POS
Epson	ActionNote 700C	15	White	POS
Epson	ActionNote 800	19	White	POS
Epson	ActionNote 866	19	White	POS
Epson	ActionNote 866C	19	White	POS
Epson	ActionNote 880C	19	White	POS
Epson	ActionNote 880CX	19	White	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Epson	ActionNote 888CX	19	White	POS
Epson	ActionNote 895CX	19	White	POS
Everex	DesigNote	20	White	POS
Everex	StepNote 486	20	White	POS
Fora	NBL386S	19	White	POS
Goldstar	GS520	18	White	POS
Hewlett Packard	OmniBook 300	12	Blue	NEG
Hewlett Packard	OmniBook 425	12	Blue	NEG
Hewlett Packard	OmniBook 430	12	Blue	NEG
Hewlett Packard	OmniBook 530	12	Blue	NEG
Hewlett Packard	OmniBook 600	12	Blue	NEG
Hewlett Packard	OmniBook 600C	12	Blue	NEG
Hewlett Packard	Vectra LS12	17	Blue	NEG
Honeywell	AP-L	17	Blue	NEG
Hyundai	Neuron 433SLC	15	White	POS
IBM	PS/2 L40SX	15	Green	POS
IBM	PS/2 N33SX	15	Green	POS
IBM	ThinkPad 350	15	Green	POS
IBM	ThinkPad 350C	15	Green	POS
IBM	ThinkPad 365ED	16	White	POS
IBM	ThinkPad 560	16	White	POS
IBM	ThinkPad 700	15	Green	POS
IBM	ThinkPad 700C	15	Green	POS
IBM	ThinkPad 701C	16	White	POS
IBM	ThinkPad 701CS	16	White	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
IBM	ThinkPad 720	15	Green	POS
IBM	ThinkPad 720C	15	Green	POS
Keynote	Notebook (ADP-38AB)	19	Blue	POS
Librex	Adapter SCO2P	12	Blue	POS
Librex	Adapter SPCE813	15	Blue	POS
Magitronic	NoteBook w/CD	20	White	POS
Mitac	40235XT	17	Green	POS
Mitsuba	Ninja 12-1	17	Blue	POS
MPC	M700	18	White	POS
NBCC	386SX Notebook	21	White	POS
NBCC	386SX/20 Notebook	21	White	POS
NBCC	386SXN Notebook	21	White	POS
NEC	UltraLite Versa 550D	19	White	POS
Packard Bell	PB286LP	17	Blue	POS
Polaroid	Hand Scanner	14	Blue	POS
ProStar	Pentium	20	White	POS
Sharp	PC3010	19	White	POS
Sharp	PC3020	19	White	POS
Sharp	PC3030	19	White	POS
Sharp	PC3050	19	White	POS
Sharp	PC3060	19	White	POS
Sharp	PC3070	19	White	POS
Sharp	PC5500	17	Green	POS
Sharp	PC5541	17	Green	POS
Sharp	PC5700	17	Green	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Sharp	PC5741	17	Green	POS
Sharp	PC6200	15	Green	POS
Sharp	PC6220	15	Green	POS
Sharp	PC6541	15	Green	POS
Sharp	PC6700	15	Green	POS
Sharp	PC6781	15	Green	POS
Sharp	PC6800	15	Green	POS
Sharp	PC6900	15	Green	POS
Sharp	PC9020	18	Blue	POS
Tandy	1400FD	15	Blue	NEG
Tandy	1400HD	15	Blue	NEG
Tandy	140XT	15	Blue	NEG
Texas Instruments	Extensa 450	20	White	POS
Texas Instruments	Extensa 450T	20	White	POS
Texas Instruments	Extensa 510	20	White	POS
Texas Instruments	Extensa 515	20	White	POS
Texas Instruments	Extensa 550	20	White	POS
Texas Instruments	Extensa 550CD	20	White	POS
Texas Instruments	Extensa 550CDT	20	White	POS
Texas Instruments	Extensa 555	20	White	POS
Texas Instruments	Extensa 555CD	20	White	POS
Texas Instruments	Extensa 565CD	20	White	POS
Texas Instruments	Extensa 570CDT	20	White	POS
Texas Instruments	Extensa 575CD	20	White	POS
Texas Instruments	Extensa 575CD	20	White	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Texas Instruments	LT286	17	Green	POS
Texas Instruments	LT286/25	17	Green	POS
Texas Instruments	LT286/45	17	Green	POS
Texas Instruments	TI-45	17	Green	POS
Texas Instruments	TM2000	15	Green	POS
Texas Instruments	TM4000M	18	Blue	POS
Texas Instruments	TM5000	12	White	POS
Texas Instruments	TM5010	12	White	POS
Texas Instruments	TM5020	12	White	POS
Texas Instruments	TM5030	12	White	POS
Texas Instruments	TM5100	12	White	POS
Texas Instruments	TM5200	12	White	POS
Texas Instruments	TM5300	12	White	POS
Toshiba	Expresswriter 301	12	Green	POS
Toshiba	Portege 300CT	15	Green	POS
Toshiba	Portege 610CT	15	Green	POS
Toshiba	Portege 620CT	15	Green	POS
Toshiba	Portege 650CT	15	Green	POS
Toshiba	Portege 660CDT	15	Green	POS
Toshiba	T1000LE	12	Green	POS
Toshiba	T1000SE	12	Green	POS
Toshiba	T1000XE	12	Green	POS
Toshiba	T100X	12	Green	POS
Toshiba	T1200	12	Green	POS
Toshiba	T1200F	12	Green	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Toshiba	T1200FB	12	Green	POS
Toshiba	T1200H	12	Green	POS
Toshiba	T1200HB	12	Green	POS
Toshiba	T1200HD	12	Green	POS
Toshiba	T1200XE	12	Green	POS
Toshiba	T1600	12	Green	POS
Toshiba	T1800	15	Green	POS
Toshiba	T1850	15	Green	POS
Toshiba	T1850C	15	Green	POS
Toshiba	T1900	18	Blue	POS
Toshiba	T1900C	18	Blue	POS
Toshiba	T1910	18	Blue	POS
Toshiba	T1910CS	18	Blue	POS
Toshiba	T1950	18	Blue	POS
Toshiba	T1950CS	18	Blue	POS
Toshiba	T1950CT	18	Blue	POS
Toshiba	T1960	18	Blue	POS
Toshiba	T1960CS	18	Blue	POS
Toshiba	T1960CT	18	Blue	POS
Toshiba	T200	15	Green	POS
Toshiba	T200CS	15	Green	POS
Toshiba	T2400CS	18	Blue	POS
Toshiba	T2400CT	18	Blue	POS
Toshiba	T2450CT	18	Blue	POS
Toshiba	T3400	15	Green	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Toshiba	T3400CT	15	Green	POS
Toshiba	T3600CT	15	Green	POS
Toshiba	T4500	15	Green	POS
Toshiba	T4500C	15	Green	POS
Toshiba	T4600	15	Green	POS
Toshiba	T4700	18	Blue	POS
Toshiba	T4700CS	18	Blue	POS
Toshiba	T4700CT	18	Blue	POS
Toshiba	T4800CT	18	Blue	POS
Toshiba	T4850CT	18	Blue	POS
Toshiba	T4900CT	18	Blue	POS
Toshiba	Tecra 700	15	Green	POS
Toshiba	Tecra 700CDT	15	Green	POS
Toshiba	Tecra 700CS	15	Green	POS
Toshiba	Tecra 700CT	15	Green	POS
Toshiba	Tecra 710CDT	15	Green	POS
Toshiba	Tecra 720CDT	15	Green	POS
Toshiba	Tecra 730CDT	15	Green	POS
Toshiba	Tecra 730XCDT	15	Green	POS
Toshiba	Tecra 740CDT	15	Green	POS
Trogon	7200	21	Blue	POS
Veridata	Execulite 386S	19	White	POS
WinBook	386SXNB-20B	19	White	POS
WinBook	XP	19	White	POS
Wyse	386SX	19	White	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Wyse	386SX/20N	19	White	POS
Wyse	Decision Mate 486SLC	19	White	POS
Wyse	Decision Mate SX	19	White	POS
Zenith	SuperSport 286	17	Blue	NEG
Zenith	SuperSport 286e	17	Blue	NEG
Zenith	SuperSport 386SX	17	Blue	NEG
Zenith	Z-Star EX	20	White	POS
Zeos	Contenta SubNotebook	14	Green	POS

Specifications

Input Voltage	AC 100–240V, 50/60 Hz
Maximum Output Power Rating	80 Watts
Output Rating for Individual Voltages	
DC 12/13/14/15/16/17/18V ± 5%, Max. 4.5 Amps	
DC 19V ± 5%, Max. 4.2 Amps	
DC 20V ± 5%, Max. 4.0 Amps	
DC 21V ± 5%, Max. 3.8 Amps	
DC 22V ± 5%, Max. 3.6 Amps	
DC 23V ± 5%, Max. 3.5 Amps	
DC 24V ± 5%, Max. 3.3 Amps	
Tip Polarity	Selectable
Operation Temperature	32° to 113°F (0° to 45°C)
Storage Temperature	–13° to 140°F (–25° to 60°C)
Dimensions	7 1/16 × 2 1/2 × 1 1/3 Inches (180 × 63 × 34 mm)
DC Cord Length	6 feet (182.88 cm)
AC Power Cord Length.....	4 ¹⁵ /16 feet (1.5 meters)

Specifications are typical; individual unit might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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We Service What We Sell

12/99

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